

# SEQUENCE LISTING

<110> Siegel, Donald L.

<120> Rh(D) -BINDING PROTEINS AND MAGNETICALLY ACTIVATED CELL  
SORTING METHOD FOR PRODUCTION THEREOF

<130> 09596-42U2

<140> 09/240,274

<141> 1999-01-29

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<151> 1998-04-10

<150> 60/028,550

<151> 1996-10-11

<160> 224

<170> PatentIn Ver. 2.0

<210> 1

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain B01

<400> 1

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Ser Tyr  
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Ala Thr Ala Tyr Asp Gly Lys Asn Lys Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Phe  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Phe Tyr Cys  
85 90 95

Ala Arg Gly Gly Phe Tyr Tyr Asp Ser Ser Gly Tyr Tyr Gly Leu Arg  
 100 105 110

His Tyr Phe Asp Ser Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 2  
 <211> 124  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain C01

<400> 2  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Val Ile Ser Tyr Asp Gly His His Lys Asn Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Phe Asp  
 100 105 110

Ile Trp Gly Pro Gly Thr Met Val Thr Val Ser Ser  
 115 120

<210> 3  
 <211> 124  
 <212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C03

<400> 3

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln His Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Val Ile Ser Tyr Asp Gly His His Lys Asn Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Phe Asp  
100 105 110

Ile Trp Gly Pro Gly Thr Met Val Thr Val Ser Ser  
115 120

<210> 4

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C04

<400> 4

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Thr Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Val Ile Ser Tyr Asp Gly His Asn Lys Asn Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Ile Pro Phe Asp  
 100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser  
 115 120

<210> 5  
 <211> 124  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain C04

<400> 5  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Thr Asn Lys Tyr Phe Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Thr Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Leu Asp  
 100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser

<210> 6  
 <211> 124  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain C08

<400> 6  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr  
 20 25 30  
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ala Val Ile Ser Tyr Asp Gly Thr Asn Lys Tyr Phe Ala Asp Ser Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr  
 65 70 75 80  
 Leu Gln Met Thr Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Phe Cys  
 85 90 95  
 Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Leu Asp  
 100 105 110  
 Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser  
 115 120

<210> 7  
 <211> 124  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain C10

<400> 7  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Val Ile Ser Tyr Asp Gly His His Lys Asn Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Phe Asp  
 100 105 110

Ile Trp Gly Pro Gly Thr Leu Val Thr Val Ser Ser  
 115 120

<210> 8  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain D01

<400> 8  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 9  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain D03

<400> 9  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Glu Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Glu Val Val Arg Gly Val Ile Leu Trp Ser Arg Lys Phe  
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 10  
 <211> 126  
 <212> PRT  
 <213> Homo sapiens

<220>

<223> anti-Rh(D) chain D04

<400> 10

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Ala Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Ser Leu Arg Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser Ala  
100 105 110

Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser  
115 120 125

<210> 11

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D05

<400> 11

Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Ala Gln Pro Gly  
1 5 10 15

Arg Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Ser Leu Arg Ser  
20 25 30

Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp  
35 40 45

Val Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser



50		55		60
Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu				
65		70		80
Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr				
	85		90	95
Cys Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser				
	100		105	110
Ala Phe Asp Ile Trp Gly Gln Gly Thr Thr Val Ser Val Ser Ser				
	115		120	125

<210> 12  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain D07

<400> 12
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Phe Thr Leu Thr Asn Tyr
20 25 30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ala His Val Trp Tyr Asp Gly Ser Lys Thr Glu Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Ala Val Ser Arg Asp Lys Ser Lys Asn Thr Leu Phe
65 70 75 80
Leu Gln Met Asn Ser Leu Thr Ala Glu Asp Thr Ala Ile Tyr Tyr Cys
85 90 95
Ala Arg Glu Arg Arg Glu Lys Val Tyr Ile Leu Phe Tyr Ser Trp Leu
100 105 110
Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 13  
 <211> 126  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain D08

<400> 13  
 Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Val Gln Pro Gly  
 1 5 10 15  
 Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser  
 20 25 30  
 Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp  
 35 40 45  
 Val Ala Leu Ile Trp Tyr Asp Gly Gly Asn Lys Glu Tyr Ala Asp Ser  
 50 55 60  
 Val Lys Gly Arg Phe Ser Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu  
 65 70 75 80  
 Tyr Leu Gln Val Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr  
 85 90 95  
 Cys Ala Arg Asp Gln Arg Ala Ala Ala Gly Ile Phe Tyr Tyr Ser Arg  
 100 105 110  
 Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

<210> 14  
 <211> 126  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain D09

<400> 14  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Glu Ala Ser Lys Phe Thr Leu Tyr Asn Tyr

20	25	30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val		
35	40	45
Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Glu Asp Ser Val		
50	55	60
Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr		
65	70	75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys		
85	90	95
Ala Arg Glu Gly Ser Lys Lys Val Ala Leu Ser Arg Tyr Tyr Tyr Tyr		
100	105	110
Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser		
115	120	125
<210> 15		
<211> 126		
<212> PRT		
<213> Homo sapiens		
<220>		
<223> anti-Rh(D) chain D10		
<400> 15		
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg		
1	5	10 15
Ser Leu Arg Leu Ser Cys Glu Ala Ser Lys Phe Thr Leu Tyr Asn Tyr		
20	25	30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val		
35	40	45
Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Glu Asp Ser Val		
50	55	60
Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr		
65	70	75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys		
85	90	95



<400> 17

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ala Cys Ala Ala Ser Gly Phe Ser Phe Arg Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val  
35 40 45

Ala Phe Thr Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Val Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Glu Met Asn Ser Leu Arg Val Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Ala Ser Met Leu Arg Gly Ile Ser Arg Tyr Tyr Tyr Ala  
100 105 110

Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

<210> 18

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D13

<400> 18

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Arg Asp Tyr Ala Glu Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Lys Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Ser Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Asn Val Ala Arg Gly Gly Gly Gly Val Arg Tyr Lys Tyr  
 100 105 110

Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 19

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D14

<400> 19

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Lys Arg Asp Tyr Ala Glu Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Ser Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Asn Val Ala Arg Gly Gly Gly Gly Ile Arg Tyr Lys Tyr  
 100 105 110

Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 20

<211> 125  
<212> PRT  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain D15

<400> 20

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe  
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120 125

<210> 21  
<211> 125  
<212> PRT  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain D16

<400> 21

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 22

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D17

<400> 22

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe  
 100 105 110



Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 23  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain D18

<400> 23  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Ser Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 24  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain D20

<400> 24

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Glu Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Glu Val Val Arg Gly Val Ile Leu Trp Ser Arg Lys Phe  
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120 125

<210> 25

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D30

<400> 25

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met Arg Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Val Tyr Tyr Asp Gly Ser Asn Lys His Tyr Ser Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Arg Asn Phe Arg Ser Gly Tyr Ser Arg Tyr Tyr Tyr Gly  
100 105 110

Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

<210> 26

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D31

<400> 26

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Val Tyr Tyr Asp Gly Ser Asn Lys His Tyr Ser Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Arg Asn Phe Arg Ser Gly Tyr Ser Arg Tyr Tyr Tyr Gly  
100 105 110

Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

<210> 27

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain E01is

<400> 27

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ser Ile Ser Asn Ser Asn Thr Tyr Ile Tyr Tyr Ala Asp Ala Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Ser Arg Tyr Ser Asn Phe Leu Arg Trp Val Arg Ser Asp  
100 105 110

Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Ile Val Ser Ser  
115 120 125

<210> 28

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain E03

<400> 28

Glu Val Gln Leu Leu Glu Ser Gly Val Glu Ser Gly Gly Gly Leu Val  
1 5 10 15

Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr  
20 25 30

Phe Ser Ser Tyr Ser Met His Trp Val Arg Gln Gly Pro Gly Lys Gly  
35 40 45

Leu Glu Trp Val Ser Ser Ile Ser Asn Ser Asn Thr Tyr Ile Tyr Tyr  
 50 55 60

Ala Asp Ala Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys  
 65 70 75 80

Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu His Thr Ala  
 85 90 95

Val Tyr Tyr Cys Ala Arg Asp Ser Arg Tyr Ser Asn Phe Leu Arg Trp  
 100 105 110

Val Arg Ser Asp Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Ile  
 115 120 125

Val Ser Ser  
 130

<210> 29

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain F01

<400> 29

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Phe Arg Asn Asp Leu  
 20 25 30

Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile Tyr  
 35 40 45

Ala Thr Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Asn Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Ser Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Phe Pro Trp Thr  
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg

100

105

<210> 30  
 <211> 112  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain G01

<400> 30  
 Ala Glu Leu Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly Glu  
 1 5 10 15  
 Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser Ser  
 20 25 30  
 Gly Phe Asn Phe Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro  
 35 40 45  
 Gln Leu Leu Ile Tyr Met Gly Ser Asn Arg Ala Ser Gly Val Pro Asp  
 50 55 60  
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Asn  
 65 70 75 80  
 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala Leu  
 85 90 95  
 Gln Phe Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg  
 100 105 110

<210> 31  
 <211> 108  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain H01

<400> 31  
 Ala Glu Leu Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Thr Ser Tyr Leu  
20 25 30

Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ala Ser Leu Gln Pro Asp  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Leu Asn Asn Tyr Pro Pro Phe  
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg  
100 105

<210> 32

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I01

<400> 32

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Tyr  
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg

100

105

<210> 33  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain I02

<400> 33  
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15  
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
 20 25 30  
 Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
 35 40 45  
 Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60  
 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80  
 Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Leu Trp Thr  
 85 90 95  
 Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
 100 105

<210> 34  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain I03

<400> 34  
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Ala Asp  
 1 5 10 15  
 Arg Val Thr Ile Thr Cys Arg Thr Ser Arg Asn Ile Asn Arg Tyr Leu  
 20 25 30



Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Thr Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Phe Thr  
 85 90 95

Phe Gly Pro Gly Thr Lys Val Asp Leu Lys Arg  
 100 105

<210> 35

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I04

<400> 35

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Arg Arg Ser Leu  
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ser Asn Thr Pro Trp Thr  
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
 100 105

<210> 36  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain I05

<400> 36

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Arg Arg Tyr Leu  
 20 25 30

Asn Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Phe  
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Thr Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Gln Thr  
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
 100 105

<210> 37  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain I06

<400> 37

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Ile Thr  
85 90 95

Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg  
100 105

<210> 38

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I07

<400> 38

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Arg Thr  
85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 39

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I08

<400> 39

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Arg Thr  
85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 40

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I09

<400> 40

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Ser Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Leu Asn Ser Tyr Pro Tyr Thr  
85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
100 105

<210> 41

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I10

<400> 41

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Ser Ser Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Leu Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Tyr  
85 90 95

Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
100 105

<210> 42

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I11

<400> 42

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Thr Leu Leu Ile Asn  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Ile Tyr Tyr Cys Gln Gln Arg Glu Thr Phe Gly Gln Gly  
85 90 95

Thr Lys Leu Glu Ile Lys Arg  
100

<210> 43

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I12

<400> 43

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Tyr  
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
100 105

<210> 44

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I13

<400> 44

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Arg Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Gly Thr Pro His Ser  
85 90 95

Phe Gly Arg Gly Thr Lys Leu Glu Ile Lys Arg  
100 105

<210> 45

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I15

<400> 45

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Asn Gln Asn Ile Arg Arg Ser Leu  
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Thr Leu Gln Gly Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Leu Ala  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Ser Ala Thr Pro Trp Thr  
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
 100 105

<210> 46

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I16

<400> 46

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Pro Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Gly Phe Asn Leu  
 20 25 30

Asn Trp Tyr Gln Gln Thr Ser Gly Lys Pro Pro Lys Leu Leu Ile Tyr  
 35 40 45

Gly Val Ser Lys Leu Gln Asn Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Asn Asp Ala Leu Trp Thr  
 85 90 95



Phe Gly Gln Gly Thr Lys Val Glu Val Arg Arg  
 100 105

<210> 47  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain J01

<400> 47  
 Ala Glu Leu Gln Asp Pro Val Val Ser Val Ala Leu Gly Gln Thr Val  
 1 5 10 15

Arg Ile Thr Cys Gln Gly Asp Gly Leu Arg Ser Tyr Tyr Ala Ser Trp  
 20 25 30

Tyr Gln Gln Lys Pro Gly Gln Ala Pro Lys Leu Val Met Tyr Gly Arg  
 35 40 45

Asn Asn Arg Pro Ser Gly Ile Pro Gly Arg Phe Ser Gly Ser Ser Ser  
 50 55 60

Gly Gln Thr Ala Ala Leu Thr Ile Thr Gly Thr Gln Ala Glu Asp Glu  
 65 70 75 80

Ala Asp Tyr Tyr Cys Gln Ser Arg Ala Thr Ser Gly Asn Pro Val Val  
 85 90 95

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 48  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain J02

<400> 48  
 Ala Glu Leu Gln Asp Pro Val Val Ser Val Ala Leu Gly Gln Thr Val  
 1 5 10 15

Arg Ile Thr Cys Gln Gly Asp Gly Leu Arg Ser Tyr Tyr Ala Ser Trp  
 20 25 30

Tyr Gln Gln Lys Pro Gly Gln Ala Pro Lys Leu Val Met Tyr Gly Arg  
 35 40 45

Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser  
 50 55 60

Gly Gln Thr Ala Ala Leu Thr Ile Thr Gly Thr Gln Ala Glu Asp Glu  
 65 70 75 80

Ala Asp Tyr Tyr Cys Gln Ser Arg Ala Thr Ser Gly Asn Pro Val Val  
 85 90 95

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 49

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain J04

<400> 49

Ala Glu Leu Gln Asp Pro Val Val Ser Val Ala Leu Gly Gln Thr Val  
 1 5 10 15

Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp  
 20 25 30

Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys  
 35 40 45

Asn Ser Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser  
 50 55 60

Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu  
 65 70 75 80

Ala Asp Tyr Tyr Cys Ser Ser Arg Gly Ser Pro His Val Ala Phe Gly  
 85 90 95

Gly Gly Thr Lys Leu Thr Val Leu  
 100

<210> 50  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain J05

<400> 50  
 Ala Glu Leu Gln Asp Pro Val Val Ser Val Ala Leu Gly Gln Thr Val  
 1 5 10 15  
 Lys Ile Thr Cys Gln Gly Asp Ser Leu Arg Lys Tyr Tyr Ala Ser Trp  
 20 25 30  
 Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Phe Tyr Ala Arg  
 35 40 45  
 Asn Ser Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Asn Ser  
 50 55 60  
 Gly Thr Thr Ala Ser Leu Thr Ile Ala Gly Ala Arg Ala Glu Asp Glu  
 65 70 75 80  
 Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Asn Gly His His Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 51  
 <211> 108  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain K01

<400> 51  
 Ala Glu Leu Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr  
 1 5 10 15  
 Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Arg Tyr  
 20 25 30

Phe Pro Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Arg Pro Leu  
 35 40 45

Ile Tyr Ser Ala Ser Asn Lys His Ser Trp Thr Pro Ala Arg Phe Ser  
 50 55 60

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln  
 65 70 75 80

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Leu Leu Tyr Tyr Ser Gly Ala  
 85 90 95

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 52

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain K02

<400> 52

Ala Glu Leu Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr  
 1 5 10 15

Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Arg Tyr  
 20 25 30

Phe Pro Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Arg Pro Leu  
 35 40 45

Ile Tyr Ser Ala Ser Asn Lys His Ser Trp Thr Pro Ala Arg Phe Ser  
 50 55 60

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln  
 65 70 75 80

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Leu Leu Tyr Tyr Ser Gly Ala  
 85 90 95

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 53

<211> 108  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain K03

<400> 53

Ala Glu Leu Thr Gln Pro Pro Ser Leu Thr Val Ser Pro Gly Gly Thr  
 1 5 10 15

Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Arg Tyr  
 20 25 30

Phe Pro Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Arg Ala Leu  
 35 40 45

Ile Tyr Gly Ser Asn Asn Lys His Ser Trp Thr Pro Ala Arg Phe Ser  
 50 55 60

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln  
 65 70 75 80

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Leu Leu Phe Tyr Ala Gly Ala  
 85 90 95

Trp Ala Phe Gly Gly Trp Thr Lys Leu Thr Val Leu  
 100 105

<210> 54  
 <211> 109  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain L01

<400> 54

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
 1 5 10 15

Val Thr Ile Ser Cys Ser Gly Gly Ser Ser Asn Ile Ala Ser Asn Thr  
 20 25 30

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
 35 40 45

Tyr Ser Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
 50 55 60

Ser Lys Ser Gly Thr Ser Ala Thr Leu Val Ile Thr Gly Leu Gln Thr  
 65 70 75 80

Gly Asp Glu Ala Asp Tyr Tyr Cys Gly Thr Trp Asp His Ser Arg Ser  
 85 90 95

Gly Ala Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 55

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain L03

<400> 55

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
 1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn His  
 20 25 30

Val Ser Trp Tyr Gln Gln Leu Pro Gly Met Ala Pro Lys Leu Leu Ile  
 35 40 45

Tyr Ser Asn Gly Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
 50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser  
 65 70 75 80

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp His Asp Ser Leu Tyr  
 85 90 95

Gly Pro Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 56

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain L04

<400> 56

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
1 5 10 15

Val Ser Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr  
20 25 30

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
35 40 45

Ser Thr Asn Asn Gln Gly Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
50 55 60

Ser Lys Ser Gly Thr Ser Ser Ser Leu Ala Ile Ser Gly Leu Arg Ser  
65 70 75 80

Glu Ala Glu Asp Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Thr Leu Asn  
85 90 95

Gly Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 57

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain L05

<400> 57

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Leu Arg  
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Ile  
20 25 30

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
35 40 45

Phe Ser Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser  
65 70 75 80

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Asn  
85 90 95

Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 58

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain M01

<400> 58

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Asn Phe Asn Ile Gly Ser Asn Tyr  
20 25 30

Val Phe Trp Tyr Gln His Val Pro Gly Thr Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Asn Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Leu Ser Gly  
50 55 60

Ser Lys Ser Gly Ala Ser Ala Ser Leu Ala Ile Asn Gly Leu Arg Ser  
65 70 75 80

Asp Asp Glu Ala Asp Tyr Tyr Cys Thr Gly Trp Asp Asp Arg Leu Ser  
85 90 95

Gly Leu Ile Phe Gly Gly Gly Pro Lys Val Thr Val Leu  
100 105

<210> 59

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain M02



<400> 59

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Tyr  
20 25 30

Val Tyr Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser  
65 70 75 80

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser  
85 90 95

Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 60

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain M03

<400> 60

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Tyr  
20 25 30

Val Tyr Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser  
65 70 75 80

Glu Ala Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser  
85 90 95

Ala Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Leu  
100 105 110

<210> 61

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain N01

<400> 61

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys  
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Asp Ser Asn Tyr  
20 25 30

Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
35 40 45

Phe Asp Asn Tyr Arg Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly  
50 55 60

Ser Lys Ser Gly Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln Thr  
65 70 75 80

Gly Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Asn  
85 90 95

Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 62

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain N02

<400> 62

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys

1	5	10	15
Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn Tyr			
20	25	30	
Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile			
35	40	45	
Tyr Asp Asn Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly			
50	55	60	
Ser Lys Ser Gly Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln Thr			
65	70	75	80
Gly Asp Glu Ala Asp Tyr Tyr Cys Gly Thr Trp Asp Ser Ser Leu Ser			
85	90	95	
Ala Gly Arg Val Arg Arg Met Phe Gly Gly Gly Thr Lys Leu Thr Val			
100	105	110	

Leu Gly

<210> 63  
 <211> 110  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <223> anti-Rh(D) chain 001

<400> 63  
 Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg  
 1 5 10 15  
 Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Pro Tyr  
 20 25 30  
 Gly Val His Trp Tyr Gln Gln Phe Pro Gly Thr Ala Pro Lys Leu Val  
 35 40 45  
 Ile Tyr Asn Asp Asn Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser  
 50 55 60  
 Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln  
 65 70 75 80

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu  
85 90 95

Ser Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105 110

<210> 64

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain 002

<400> 64

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Thr  
1 5 10 15

Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Ser Ile Gly Ala Arg Tyr  
20 25 30

Asp Val His Trp Tyr Gln His Leu Pro Gly Thr Ala Pro Lys Leu Leu  
35 40 45

Ile Tyr Gly Asn His Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser  
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln  
65 70 75 80

Ala Glu Asp Glu Ala Glu Tyr Tyr Cys Gln Ser Tyr Asp Asn Ser Leu  
85 90 95

Ser Gly Ser Ser Val Phe Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105 110

<210> 65

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain 003

<400> 65

Ala Glu Leu Thr Gln Pro Pro Ser Gly Ala Pro Gly Gln Thr Val Thr  
1 5 10 15

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val  
20 25 30

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
50 55 60

Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu  
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly  
85 90 95

Pro Tyr Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105 110

<210> 66

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain P01

<400> 66

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Arg Gln Thr  
1 5 10 15

Ala Arg Ile Thr Cys Gly Gly Asp Lys Ile Gly Ser Asn Thr Val His  
20 25 30

Trp Tyr Arg Gln Met Ser Gly Gln Ala Pro Val Leu Val Ile Tyr Glu  
35 40 45

Asp Lys Lys Arg Pro Pro Gly Ile Pro Glu Arg Phe Ser Gly Ser Thr  
50 55 60

Ser Gly Thr Thr Ala Thr Leu Ser Ile Ser Gly Ala Gln Val Glu Asp  
65 70 75 80

Glu Ala Asp Tyr Tyr Cys Tyr Ser Arg Asp Asn Ser Gly Asp Gln Arg  
85 90 95

Arg Val Phe Gly Ala Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 67  
<211> 110  
<212> PRT  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain Q01

<400> 67  
Ala Glu Leu Thr Gln Pro Pro Ser Ala Thr Ala Ser Leu Gly Gly Ser  
1 5 10 15

Val Lys Leu Thr Cys Ile Leu Gln Ser Gly His Arg Asn Tyr Ala Val  
20 25 30

Ala Trp His His Gln Glu Ala Gly Lys Gly Pro Arg Phe Leu Met Thr  
35 40 45

Val Thr Asn Asp Gly Arg His Ile Lys Gly Asp Gly Ile Pro Asp Arg  
50 55 60

Phe Ser Gly Ser Ala Ser Gly Ala Glu Arg Tyr Leu Ser Ile Ser Gly  
65 70 75 80

Leu Gln Ser Glu Asp Glu Gly Asp Tyr Tyr Cys Gln Thr Trp Gly Thr  
85 90 95

Gly Met His Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105 110

<210> 68  
<211> 108  
<212> PRT  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain R01

<400> 68  
Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Ser Pro Gly Gln Ser

1	5	10	15
Val Thr Ile Ser Cys Thr Gly Ala Ser Ser Asp Val Gly Ala Tyr Lys	20	25	30
His Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Leu	35	40	45
Thr His Glu Gly Thr Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser	50	55	60
Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Val Ser Gly Leu Gln	65	70	75
Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Phe Ala Gly Asn Ser	85	90	95
Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu	100	105	

<210> 69  
 <211> 104  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain S01

<400> 69
Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Ser Pro Gly Gln Ser
1 5 10 15
Ile Thr Ile Ser Cys Ser Asp Val Gly Asn Tyr Asn Leu Val Ser Trp
20 25 30
Tyr Gln Gln Tyr Pro Gly Lys Ala Pro Lys Leu Ile Ile Tyr Glu Gly
35 40 45
Ser Lys Arg Pro Ser Gly Val Ser Ser Arg Phe Ser Gly Ser Arg Ser
50 55 60
Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu
65 70 75 80
Ala Asp Tyr His Cys Cys Ser Tyr Ala Ile Ser Ser Arg Ile Phe Gly
85 90 95

Gly Gly Thr Lys Leu Thr Val Leu  
100

<210> 70  
<211> 384  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain B01

<400> 70  
gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgcag cctctggatt caccttcagg agctatgcta tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcagct acagcatatg atggaaaaaa taaatactac 180  
gcagactccg tgaaggggccg attcaccatc tccagagaca attccaagaa cacgctgttt 240  
ctgcaaatga acagcctgag agctgaggac acggctgtgt tttactgtgc gagaggcgga 300  
ttttactatg atagtagtgg ttattacggc ttgaggcact actttgactc ctggggccag 360  
ggaaccctgg tcaccgtctc ctca 384

<210> 71  
<211> 372  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain C03

<400> 71  
gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgcag cctctggatt ctccttcagt agctatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtgtcagtt atatcatatg atggacatca taaaaactat 180  
gcagactccg tgaaggggccg attcaccatc tccagagaca attccaagaa aacgctgtac 240  
ctgcaaatga acagcctgag acctgaggac acggctgtat attactgtgc gaacctaaagg 300  
ggggaagtaa ctgcgtcgtgc gtctgttccc tttgatatct gggggcccagg gacaatggtc 360  
accgtctctt ca 372

<210> 72  
<211> 372  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain C01

<400> 72  
gaggtgcagc tgctcgagtc ggggggaggt gtggtccagc atgggaggtc cctgagactg 60



tcctgtgcag cctctggatt ctccttcagt agctatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtgtcagtt atatcatatg atggacatca taaaaactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtac 240  
ctgcaaatga acagcctgag acctgaggac acggctgtat attactgtgc gaacctaagg 300  
ggggaagtaa ctcgtcgtgc gtctgttccc tttgatatat ggggccagg gacaatggtc 360  
accgtgtctt ca 372

<210> 73

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C04

<400> 73

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgcag cctctggatt ctccttcagt acctatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtgtcagtt atatcatatg atggacataa taaaaactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtac 240  
ctgcaaatga acagcctgag acctgaggac acggctgtgt attactgtgc gaacctaagg 300  
ggggaagtaa ctcgtcgtgc gtctattcct tttgatattt ggggccaagg gacaatggtc 360  
accgtctctt ca 372

<210> 74

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C05

<400> 74

gaggtgcagc tgctcgagtc ggggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgcag cctctggatt cagcttcagt agttatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcagtt atatcgtatg atggaactaa taaatacttt 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtat 240  
ctgcaaatga ccagcctgag acctgaggac acggctgtgt atttctgtgc gaacctaagg 300  
ggggaagtaa ctcgtcgtgc gtccgtacct cttgatattt ggggccaagg gacaatggtc 360  
accgtctctt ca 372

<210> 75

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C08

<400> 75

gaggtgcagc tgctcgagtc ggggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgcag cctctggatt cagcttcagt agttatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcagtt atatcgtatg atggaactaa taaatacttt 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtat 240  
ctgcaaatga ccagcctgag acctgaggac acggctgtgt atttctgtgc gaacctaaagg 300  
ggggaagtaa ctctcgtgc gtctgtacct cttgatattct ggggccaagg gacaatggtc 360  
accgtctctt ca 372

<210> 76

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C10

<400> 76

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgcag cctctggatt ctcttcagt agctatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtgtcagtt atatcatatg atggacatca taaaaactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtac 240  
ctgcaaatga acagcctgag acctgaggac acggctgtat attactgtgc gaacctaaagg 300  
ggggaagtaa ctctcgtgc gtctgttccc tttgatattct ggggcccagg gacattggtc 360  
accgtctctt ca 372

<210> 77

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D01

<400> 77

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgtag tgtctggttt caccttcaat aactatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240  
ctgcaaatga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300  
cagataaagc tatgggtccc atacctttac tacttttgatt actggggcca gggaaccctg 360  
gtcaccgtct cctca 375

<210> 78

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D03

<400> 78

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgcag cgtctggatt caccttcagt acctatggca tgcactgggt ccgccaggct 120  
ccaggcaagg gactggagtg ggtggcagtt atatggtttg atggaagtaa taaggaatat 180  
gcagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240  
ctacaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagaa 300  
gtggttcggg gagttatctt atggtctcgg aagtttgact actggggcca gggaaccctg 360  
gtcaccgtct cctca 375

<210> 79

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D04

<400> 79

gaggtgcagc tgctcgagtc ggggggaggc gtggcccagc ctgggaggtc cctgagactc 60  
tcctgtgtag cgtctggatt cagcctcagg agctatggca tgcactgggt ccgccaggct 120  
cctggcaagg ggctggagtg ggtggcagat atatggtttg atggaagtaa taaagattat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgttgtat 240  
cttcaaataga acagcctgag agccgaggat acggctgtgt attattgtgc gagagattgg 300  
aggggtgcggg ccttttagtag tggctgggta agtgcttttg atatctgggg ccaagggaca 360  
atggtcaccg tctcctca 378

<210> 80

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D05

<400> 80

gaggtgcagc tgctcgagga gtctggggga ggcgtggccc agcctgggag gtccttgaga 60  
ctctcctgtg tagcgtctgg attcagcctc aggagctatg gcatgcaact ggtccgccag 120  
gtccttgcca aggggctgga gtgggtggca gatatatggt ttgatggaag taataaagat 180  
tatgcagact ccgtgaaggg ccgattcacc atctccagag acaattccaa gaacacgttg 240  
tatcttcaaa tgaacagcct gagagccgag gacacggctg tgtattattg tgcgagagat 300  
tggagggtgc gggccttttag tagtggtcgg ttaagtgctt ttgatatctg gggccaaggg 360  
accacggtca gcgtctcctc a 381

<210> 81

<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain D07

<400> 81  
gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgcag tgctctggatt caccctaact aattatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcacat gtctggtatg atggaagtaa aacagaatat 180  
gcagactccg tcaagggccg attcgccgtc tccagagaca aatccaagaa cacactgttt 240  
ctgcaaatga acagcctgac agccgaggac acggctattt attactgtgc gagagagagg 300  
agagagaaaag tctatatatt gttctactcg tggctcgacc gctggggcca gggaaccttg 360  
gtcaccgtct cctca 375

<210> 82  
<211> 378  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain D08

<400> 82  
gaggtgcagc tgctcgagga gtctggggga ggcgtggtcc agcctgggag gtccctgaga 60  
ctctcctgtg cagcgtctgg gtccaccttc agtagctatg gcatgcactg ggtccgccag 120  
gtccaggca gggggctgga gtgggtggct cttatatggt acgatggagg taacaaagag 180  
tatgcagact ccgtgaaggg ccgcttcagc atctccagag acaattccaa gaacactctg 240  
tatctgcaag tgaacagcct gagagccgac gacacggctg tctattactg tgcgagagac 300  
cagagagcag cagcgggtat cttttattat tcccgtatgg acgtctgggg ccaagggacc 360  
acgggtcaccg tctcctca 378

<210> 83  
<211> 378  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain D09

<400> 83  
gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgaag cgtctaaatt caccctctac aattatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180  
gaagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240  
ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagga 300  
tctaagaagg tggcactttc taggtattac tattatatgg acgtctgggg ccaggggacc 360

acggtcactg tctcgtca

378

<210> 84

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D10

<400> 84

gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgaag cgtctaaatt caccctctac aattatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180  
gaagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240  
ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagta 300  
tctaagaagg tggcactttc taggtattac tactatatgg acgtctgggg ccaggggacc 360  
acggtcactg tctcctca 378

<210> 85

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D11

<400> 85

gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgaag cgtctaaatt caccctctac aattatggca tgcactgggt ccgccaggct 120  
ccaggcgaag ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180  
gcagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240  
ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagta 300  
tctaagaagc tggcactttc taggtactac tactatatgg acgtctgggg ccaggggacc 360  
acggtcactg tctcctca 378

<210> 86

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D12

<400> 86

gaggtgcagc tgctcgagtc ggggggagggc gtggtccagc ctgggaggtc cctgagactc 60  
gcctgtgcag cgtctggatt cagcttcagg agctatggca tgcactgggt ccgccaggct 120  
ccaggcaggg ggctggagtg ggtggcattt acatggtttg atggaagcaa taaatattat 180

gtagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctggaaatga acagcctgag agtcgatgac acggctgtat attactgtgc gagagaggcg 300  
 tctatgcttc gcggaattag cagatactac tacgcgatgg acgtctgggg cccagggacc 360  
 acggtcaccg tctcctca 378

<210> 87

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D13

<400> 87

gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60  
 tcctgtgcag cgtctggatt caccttcagt acttatggca tgcactgggt ccgccaggct 120  
 ccaggcaagg ggctggagtg ggtggcagtt atatggtttg atggaagtaa cagagactat 180  
 gcagagtccg tgaagggccg attcaccatc tccagagaca agtccaagaa cacactgtat 240  
 ctgcaaatga acagcctgag agccgaggac tcggctgtgt attattgtgc gagagaaaat 300  
 gtggctcgtg gggggggggg cgttcgatac aagtactact ttgactactg gggccaggga 360  
 accctggtca ccgtctcctc a 381

<210> 88

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D14

<400> 88

gaggtgcagc tgctcgagtc ggggggagggc ttggtacagc ctgggggggtc cctgagactc 60  
 tcctgtgcag cgtctggatt caccttcagt acttatggca tgcactgggt ccgccaggct 120  
 ccaggcaagg ggctggagtg ggtggcagtt atatggtttg atggaagtaa gagagactat 180  
 gcagagtccg tgaagggccg attcaccatc tccagagaca actccaagaa cacactgtat 240  
 ctgcaaatga acagcctgag agccgaggac tcggctgtgt attactgtgc gagagaaaat 300  
 gtggctcgtg gggggggggg cattcgatac aagtactact ttgactactg gggccaggga 360  
 accctggtca ccgtctcctc a 381

<210> 89

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D15

<400> 89

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgtag tgtctggatt caccttcaat aactatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240  
ctgcaaataga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300  
cagataaagc tatggtcccg atacctttac tactttgact actggggcca gggaaccctg 360  
gtcacctgtc cctca 375

<210> 90

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D16

<400> 90

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgtag tgtctggttt caccttcaat aactatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240  
ctgcaaataga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300  
cagataaagc tatggtcccg atacctttac tactttgact actggggcca gggaaccctg 360  
gtcacctgtc cctca 375

<210> 91

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D17

<400> 91

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgtag tgtctggttt caccttcaat aactatggca tgcactgggt ccgccaggct 120  
ccaggcaagg ggctggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240  
ctgcaaataga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300  
cagataaagc tatggtcccg atacctttac tactttgact actggggcca gggaaccctg 360  
gtcacctgtc cctcc 375

<210> 92

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D18

<400> 92

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60  
tcctgtgtag tgtctggttt caccttcaat aactatggca tgcactgggt ccgccaggct 120  
tcaggcaagg ggttggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240  
ctgcaaataga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300  
cagataaagc tatggtccccg atacctttac tactttgact actggggcca gggaaccctg 360  
gtcaccgtgt cctca 375

<210> 93

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D20

<400> 93

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ccaggcaagg gactggagtg ggtggcagtt atatggtttg atggaagtaa taaggaatat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240  
ctacaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagaa 300  
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<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D30

<400> 94

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ccaggcaagg ggctggagtg ggtggcagtt gtctactatg atggaagtaa caaacactat 180  
tcagactccg tgaagggccg attcaccatc tccagagaca actccaagaa cacgctgtat 240  
ctacaaatgg acagcctgag agccgaggac acggctgtgt attactgtgc gagagaaaga 300  
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<210> 95

<211> 378

<212> DNA



<213> Homo sapiens

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<223> anti-Rh(D) chain D31

<400> 95

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ccaggcaagg ggctggagtg ggtggcagtt gtctactatg atggaagtaa caaacactat 180  
tcagactccg tgaagggccg attcaccatc tccagagaca actccaagaa cacgctgtat 240  
ctacaaatgg acagcctgag agccgaggac acggctgtgt attactgtgc gagagaaaga 300  
aattttcggg gtggttattc ccgctactac tacggtatgg acgtctgggg cccagggacc 360  
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<210> 96

<211> 381

<212> DNA

<213> Homo sapiens

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<223> anti-Rh(D) chain E01

<400> 96

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ccagggaagg ggctggagtg ggtctcatcc attagtaata gtaataactta catatactac 180  
gcagacgcag tgaagggccg attcaccatc tccagagaca acgccaagaa ctactgtat 240  
ctgcaaataga acagcctgag agccgaggac acggctgtgt actactgtgc gagagattct 300  
agatacagta atttcctccg ttgggttcgg agcgacggta tggacgtctg gggccaaggg 360  
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<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain E03

<400> 97

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gtccgccagg gtccagggaagg ggggctggag tgggtctcat ccattagtaa tagtaatact 180  
tacatatact acgcagacgc agtgaagggc cgattcacca tctccagaga caacgccaag 240  
aactcactgt atctgcaaatt gaacagcctg agagccgagc acacggctgt gtactactgt 300  
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<220>  
 <223> anti-Rh(D) chain F01

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 aaagccccta agcgctgat ctatgctaca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcagcggca gtggatctgg gacagaattc actctcacia tcaacagcct gcagcctgaa 240  
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<210> 99  
 <211> 336  
 <212> DNA  
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<220>  
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 ctgcagaagc cagggcagtc tccacagctc ctgatctata tgggttctaa tcgggcctcc 180  
 ggggtccctg acaggttcag tggcagtggg tcaggcacag attttacact gaaaatcaac 240  
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<210> 100  
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<220>  
 <223> anti-Rh(D) chain H01

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 aaagccccta agctccta atctatgctgca tccactttgc aaagtggggg cccatcaagg 180  
 ttcagcggca gtggatctgg gacagaattc actctcacia tcgccagcct gcagcctgat 240  
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 gggaccaaag tggatatcaa acga 324

<210> 101  
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<220>  
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 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
 gattttgcaa cttactactg tcaacagagt tacagtaccc ctccgtacac ttttggccag 300  
 gggaccaagc tggagatcaa acga 324

<210> 102  
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 <212> DNA  
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<220>  
 <223> anti-Rh(D) chain I02

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 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
 gattttgcaa cttactactg tcaacagagt tacagtaccc tgtggacgtt cggccaaggg 300  
 accaagggtg aaatcaaacg a 321

<210> 103  
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 <212> DNA  
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<220>  
 <223> anti-Rh(D) chain I03

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 aaagccccta agctcctgat ttatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcagtggca gtggatctgg gacagatttc actctcacca tcaccagtct gcaacctgaa 240  
 gattttgcca cttactactg tcaacagagt tacagtaccc ctttcaacttt cggccctggg 300  
 accaaagtgg atctcaaacg a 321

<210> 104  
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 <212> DNA  
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<220>  
 <223> anti-Rh(D) chain I04

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 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
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 accaaggtgg aaatcaaacg a 321

<210> 105  
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 <223> anti-Rh(D) chain I05

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 acttgccggg caagtcagag cattaggagg tattttaaatt ggtatcagca caaaccaggg 120  
 aaagccccta agctcctgat ctttgctgca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcactggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
 gattttgcaa cttactactg tcaacagagt tacagtaccc ctcaaacgtt cggccaaggg 300  
 accaaggtgg aaatcaaacg a 321

<210> 106  
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<220>  
 <223> anti-Rh(D) chain I06

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 acttgccggg caagtcagag cattagcagc tattttaaatt ggtatcagca gaaaccaggg 120  
 aaagccccta agctcctgat ctatgccgca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
 gattttgcaa cttactactg tcaacagagt tacagtaccc cgatcacctt cggccaaggg 300  
 acacgactgg agattaaacg a 321

<210> 107  
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aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagtaccc ctcgaacttt cggcggaggg 300  
accaaggtgg agatcaaacg a 321

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<220>  
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gaagccccta agctcctgat ctatgctgca tccagtctgc agcgtggggg cccaccagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gactttgcga cttacttctg tcaacagagt gtcagaatcc cgtacagttt tggccagggg 300  
accaagctgg agatcaaacg a 321

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aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttattactg tcaacagctt aatagttacc cgtacacttt tggccagggg 300  
accaagctgg agatcaaacg a 321

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 <211> 324  
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<220>  
 <223> anti-Rh(D) chain I10

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 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cctatcaagg 180  
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
 gattttgcaa cttactactg tcaacagagt tacagtaccc ctccgtatag ttttggccag 300  
 gggaccaagc tggagatcaa acga 324

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<220>  
 <223> anti-Rh(D) chain I11

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 aaagccccta cgctcctgat caatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcagtggca gtggatctgg gacagatttc actctcacca ttagcagtct gcaacctgaa 240  
 gatttcgcaa tttactactg tcaacagaga gaaacttttg gccaggggac caagctggag 300  
 atcaaacga 309

<210> 112  
 <211> 324  
 <212> DNA  
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<220>  
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<400> 112  
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 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
 gattttgcaa cttactactg tcaacagagt tacagtaccc ctccgtacac ttttggccag 300  
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aaagccccta agtcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacggtagcc ctcacagttt tggccggggg 300  
accaagctgg agatcaaacg a 321

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<212> DNA  
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<220>  
<223> anti-Rh(D) chain I15

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aaagccccta acctcctgat ctatgctgca tccacattgc aagggtggggg cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctacca tcagcagtct gcaacttgcg 240  
gattttgcaa cttactactg tcaacagact tccgctaccc cgtggacgtt cggccaaggg 300  
accaaggtgg aatcaaacg a 321

<210> 115  
<211> 321  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain I16

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acttgccggg caagtcagac tattggtttt aatttaaatt ggtatcagca aacatctggg 120  
aagcccccta aactccta atctgggtgt tccaagttgc aaaatggggg cccttcacgg 180  
ttcagtggca gtgggtccgg gacggaattc accctcacia tcagcagtct gcagcctgag 240  
gattttgcga cttattattg tcaacagact aacgatgcgt tgtggacgtt cggccaaggg 300  
accaaagtgg aagtcagacg a 321

<210> 116  
 <211> 318  
 <212> DNA  
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<220>  
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 ccgaaacttg tcatgtacgg tagaaacaac cggccctcag ggatcccagg ccgattctct 180  
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 actaagctga ccgtcctg 318

<210> 117  
 <211> 318  
 <212> DNA  
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<220>  
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 ggctccagct cagggcagac agctgccttg accatcacgg ggactcaggc ggaggatgag 240  
 gctgactatt actgtcagtc ccgtgccacc agcggtaacc ctgtggtgtt cggcggaggg 300  
 actaagctga ccgtcctg 318

<210> 118  
 <211> 312  
 <212> DNA  
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<220>  
 <223> anti-Rh(D) chain J04

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 caaggagaca gcctcagaag ctattatgca agctggtacc agcagaagcc aggacaggcc 120  
 cctgtacttg tcatctatgg taaaaacagc cggccctcag ggatcccaga ccgattctct 180  
 ggctccagct caggaaacac agcttcgttg accatcactg gggctcaggc ggaagatgag 240  
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 ctgaccgtcc tg 312



<210> 119  
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<220>  
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gctgactatt actgtcactc ccgggacagc aatggtcacc atcgggtgtt cggcggaggg 300  
accaagctga ccgtccta 318

<210> 120  
<211> 324  
<212> DNA  
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<220>  
<223> anti-Rh(D) chain K01

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cctggacaag caccaggcc actgatttat agtgcaagca acaaactc ctggaccct 180  
gcccggttct caggctccct ccttgggggc aaagctgccc tgacactgtc aggtgtgcag 240  
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ggagggacca agttgaccgt cctt 324

<210> 121  
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<212> DNA  
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<220>  
<223> anti-Rh(D) chain K02

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cctggacaag caccaggcc actgatttat agtgcaagca acaaactc ctggaccct 180  
gcccggttct caggctccct ccttgggggc aaagctgccc tgacactgtc aggtgtgcag 240  
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ggagggacca agctgaccgt ccta 324

<210> 122  
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<220>  
 <223> anti-Rh(D) chain K03

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 cctggccagg caccagggc actgatttat ggttcaaaca acaaacactc ctggaccctt 180  
 gcccggttct caggctccct ccttgggggc aaagctgccc tgacactgtc aggtgtgcag 240  
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 ggatggacca agctgaccgt ccta 324

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 ggaacggccc ccaaactcct catctatagt aataatcagc ggccctcagg ggtccctgac 180  
 cgattctctg gtcceaagtc tggcacctca gccaccctgg tcatcaccgg gtcctcagact 240  
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 ggcggagggg ccaaactgac cgtctta 327

<210> 124  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain L03

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 ggaatggccc ccaaactcct catctattct aatggtcagc ggccctcagg ggtccctgac 180  
 cgattctctg gtcceaagtc tggcacctca gcctccctgg ccatcagcgg cctccagtct 240  
 gaggatgagg ctgattatta ttgtgcagca tggcatgaca gcctctatgg tccggtgttc 300  
 ggcggagggg ccaagctgac cgtcctc 327

<210> 125  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain L04

<400> 125  
 gccgagctca ctcagccacc ctcagcgtct gggacccccg ggcagagggg cagcatctct 60  
 tgttctggaa gcagctccaa catcggaagt aatactgtaa actggtacca gcagctccca 120  
 ggaacagccc ccaaactcct catctctact aataatcagg ggccctcagg agtccctgac 180  
 cgattctctg gtcccaagtc tggcacctca tcctccctgg ccatcagtgg gtccegggtca 240  
 gaggctgagg atgattatta ctgtgcagca tgggatgaca ccctgaatgg tgtgggtattc 300  
 ggcggaggga ccaaactgac cgtccta 327

<210> 126  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain L05

<400> 126  
 gccgagctca ctcagccacc ctcagcgtct gggactcccc ggctgagggg caccatctct 60  
 tgttctggaa gcagctccaa catcggaagt aatattgtaa actggtacca gcagctccca 120  
 ggaacggccc ccaaactcct catctttagt aataataagc ggccctcagg ggtccctgac 180  
 cgattctctg gtcccaagtc tggcacctca gcctccctgg ccatcagtgg gtcceagttc 240  
 gaggatgagg ctgattatta ctgtgctaca tgggatgaca gcctgaatgg tcgggtgttc 300  
 ggcggaggga ccaagctgac cgtccta 327

<210> 127  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain M01

<400> 127  
 gccgagctca ctcagccacc ctcagcgtct gggacccccg ggcagcgggt caccatctct 60  
 tgttctggga gcaacttcaa catcggaagt aattatgtat tctggtacca gcatgttcca 120  
 ggaacggccc caaaactcct catctataat aataatcaac gcccctctgg ggtccctgac 180  
 cgactctctg gtcccaagtc tggcgccctca gcctccctgg ccatcaatgg gtccegggtcc 240  
 gatgatgagg ctgattatta ctgtacagga tgggatgacc gcctgagtgg cctgattttc 300  
 ggcggagggc caaaagtgac cgtccta 327

<210> 128  
<211> 327  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain M02

<400> 128  
gccgagctca cgcagccgcc ctcagcgtct gggacccccg ggcagagggg caccatctct 60  
tggtctggaa gcagctccaa catcggaagt aattatgtat attggtacca gcagctccca 120  
ggaacggccc ccaaactcct catctatagg aataatcagc ggccctcagg ggtccctgac 180  
cgattctctg gtcceaagtc tggcacctca gcctccctgg ccatcagtgg gctccgggtcc 240  
gaggatgagg ctgattatta ctgtgcagca tgggatgaca gcctgagtgg ttgggtgttc 300  
ggcggaggga ccaagctgac cgtccta 327

<210> 129  
<211> 327  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain M03

<400> 129  
gccgagctca ctcagccacc ctcagcgtct gggacccccg ggcagagggg caccatctct 60  
tggtctggaa gcagctccaa catcggaagt aattatgtat actggtacca gcagctccca 120  
ggaacggccc ccaaactcct catctatagg aataatcagc ggccctcagg ggtccctgac 180  
cgattctctg gtcceaagtc tggcacctca gcctccctgg ccatcagtgg gctccgggtcc 240  
gaggctgagg ctgattatta ctgtgaggca tgggatgaca gcctgagtgc cgtgggtattc 300  
ggcggaggga ccaaactgac cgtccta 327

<210> 130  
<211> 327  
<212> DNA  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) chain N01

<400> 130  
gccgagctca cgcagccgcc ctcagtgtct gcggccccag gacagaaggg caccatctcc 60  
tgctctggaa gcagctccaa cattgacagt aactatgtat cctggtacca gcagctccca 120  
ggaacagccc ccaaactcct catttttgac aattataggc gaccctcagg gattcctgac 180  
cgattctcag gtcceaagtc tggcacgtca gccaccctgg gcatcaccgg actccagact 240  
ggggacgagg ccgattatta ctgtgcaaca tgggatgaca gcctgaatgg tcgggtgttc 300  
ggcggaggga ccaagctgac cgtccta 327

<210> 131  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain N02

<400> 131  
 gccgagctca cgcagccgcc ctcaagtgtct gcggccccag gacagaaggt caccatctcc 60  
 tgctctggaa gcagctccaa cattgggaat aattatgtgt cctggtacca gcaactccca 120  
 ggaacagccc ccaaactcct catttatgac aataataagc gaccctcagg gattcctgac 180  
 cgattctctg gtcceaagtc tggcacgtca gccaccctgg gcatcaccgg actccagact 240  
 ggggacgagg ccgattatta ctgcggaaca tgggatatga gcctgagtgc tggccgcggt 300  
 cggcggatgt tcggcggagg gaccaagttg accgtcctgg gt 342

<210> 132  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain 001

<400> 132  
 gccgagctca cgcagccgcc ctcaagtgtct ggggccccag ggcagagggt caccatctcc 60  
 tgcactggga gcagctccaa catcggggca ccttatggtg tacactggta ccagcagttt 120  
 ccaggaacag cccccaaact cgtcatctac aatgacaaca atcggccctc aggggtccct 180  
 gaccgattct ctggtccaa gtctggcacc tcagcctccc tggccatcac tgggctccag 240  
 gctgaggatg aggctgatta ttactgccag tcctatgaca gcagcctgag tggaagggtg 300  
 ttcggcggag ggaccaagct gaccgtccta 330

<210> 133  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain 002

<400> 133  
 gccgagctca cgcagccgcc ctcaagtgtct ggggccccag ggcagacggt caccatctcc 60  
 tgcactggga gcagctccag catcggggca cgttatgatg tacactggta ccaacacctt 120  
 ccaggaacag cccccaaact cctcatctat ggtaaccaca atcggccctc aggggtccct 180  
 gaccgattct ctggtccaa gtctggcacc tcagcctccc tggccatcac tgggctccag 240  
 gctgaggatg aggctgaata ttattgccag tcctatgaca acagcctgag tggttcgtct 300  
 gtctttttcg gcggagggac caagctgacc gtccta 336

<210> 134  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain O03

<400> 134  
 gccgagctca cgcagccgcc ctctggggcc ccaggccaga cggtcacat ctctgcact 60  
 gggagcagct ccaacatcgg ggcagggttat gatgtacact ggtaccagca gcttcaggga 120  
 acagccccc aactcctcat ctatggtaac agcaatcggc cctcaggggt ccctgaccga 180  
 ttctctggct ccaagtctgg cacctcagcc tccctggcca tctactgggt ccaggctgag 240  
 gatgaggctg attattactg ccagtcctat gacagcagcc tgagtgggtcc ctatgtggta 300  
 ttcggcggag ggaccaagct gaccgtccta 330

<210> 135  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain P01

<400> 135  
 gccgagctca ctcagccacc ctccggtgtca gtggccccc aa gacagacggc caggattacc 60  
 tgtggggggg acaaaatcgg aagtaacact gtgcattggt accggcagat gtcaggccag 120  
 gccctgttc tggatcatcta tgaagacaaa aaacgacccc ccgggatccc tgagagattc 180  
 tctggttcca cctcagggac aacggccacc ttgagtatca gtggggccca ggttgaggat 240  
 gaagctgact actactgtta ttcaagagac aacagtgggt atcagagaag ggtgttcggc 300  
 gcagggacca agctgaccgt ccta 324

<210> 136  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain Q01

<400> 136  
 gccgagctca ctcagccacc ctccgccact gcctccctgg gaggtcgggt caaactcacc 60  
 tgcattctgc agagtggcca cagaaattac gccgtcgctt ggcacacca agaagcaggg 120  
 aagggccgc gatttttgat gacggttacc aatgatggca ggcacatcaa gggggacggg 180  
 atccctgatc gcttctcagg ctccgcctct ggggctgaac gctacctctc catctccggc 240  
 ctccagtctg aggatgaggg tgactactac tgtcagacct ggggcactgg catgcatgtg 300  
 ttcggcggag ggaccaaact gaccgtccta 330

<210> 137  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain R01

<400> 137  
 gccgagctca ctcagcctcc ctccgcgtcc gggctctcctg gacagtcagt caccatctcc 60  
 tgcactggag ccagcagtga cggttggtgct tataagcacg tctcctggta ccaacaacac 120  
 ccaggcaaag cccccaaact cctgactcat gagggcacta agcggccctc aggggtccct 180  
 gatcgcttct ctggctccaa gtctggcaac acggcctccc tgaccgtctc tgggctccag 240  
 gctgaggatg aggctgatta ttactgcagc tcatttgtag gtaattccgt gatattcggc 300  
 ggagggacca agctgaccgt ccta 324

<210> 138  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) chain S01

<400> 138  
 gccgagctca ctcagcctcc ctccgtgtct gggctctcctg gacagtcgat caccatctcc 60  
 tgcagtgatg ttgggaatta taaccttgct tcctggtacc aacagtaccc aggcaaggcc 120  
 cccaaactca taatttatga gggcagtaag cgccctcag gggtttctag tcgcttctct 180  
 ggctccaggt ctggcaacac ggcctccctg acaatctctg ggctccaggc tgaggacgag 240  
 gctgattatc actgctgctc atatgcaatt agtagcagga ttttcggcgg agggaccaag 300  
 ctgaccgtcc ta 312

<210> 139  
 <211> 127  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH10

<400> 139  
 Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Val Gln Pro Gly  
 1 5 10 15  
 Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg  
 20 25 30  
 Asn Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp

35

40

45

Val Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser  
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu  
65 70 75 80

Tyr Leu Gln Met Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg Glu Glu Ala Leu Phe Arg Gly Leu Thr Arg Trp Ser Tyr  
100 105 110

Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Ser Val Ser Ser  
115 120 125

&lt;210&gt; 140

&lt;211&gt; 125

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; anti-Rh(D) antibody clone SH16

&lt;400&gt; 140

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val  
35 40 45

Ala Leu Ile Trp Tyr Asp Gly Gly Asn Lys Glu Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Ser Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Val Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Gln Arg Ala Ala Ala Gly Ile Phe Tyr Tyr Ser Arg Met  
100 105 110



Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

<210> 141  
 <211> 117  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH17

<400> 141  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Gly Ala Ser Gly Ile Pro Phe Val Ser Ser  
 20 25 30  
 Trp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ala Asn Ile Lys Gln Asp Gly Ser Lys Lys Asn Tyr Val Asp Ser Val  
 50 55 60  
 Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Arg Ile Tyr Tyr Cys  
 85 90 95  
 Ala Arg Asp Ser Leu Thr Cys Phe Asp Tyr Trp Gly Gln Gly Ala Leu  
 100 105 110  
 Val Thr Val Ser Ser  
 115

<210> 142  
 <211> 128  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH18

<400> 142  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg

1	5	10	15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Ser Tyr	20	25	30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val	35	40	45
Ala Ala Thr Ala Tyr Asp Gly Lys Asn Lys Tyr Tyr Ala Asp Ser Val	50	55	60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Met Asn Thr Leu Phe	65	70	75
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Phe Tyr Cys	85	90	95
Ala Arg Gly Gly Phe Tyr Tyr Asp Ser Ser Gly Tyr Tyr Gly Leu Arg	100	105	110
His Tyr Phe Asp Ser Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser	115	120	125

<210> 143

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH20

<400> 143

Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Val Gln Pro Gly	1	5	10	15
Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Ser	20	25	30	
Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp	35	40	45	
Val Ala Val Ile Ser Tyr Asp Gly Ser Thr Ile Tyr Tyr Ala Asp Ser	50	55	60	

Val Lys Gly Arg Phe Thr Ile Ser Arg Ala Asn Ser Lys Asn Thr Leu  
65 70 75 80

Phe Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Thr Arg Gly Gly Phe Tyr Tyr Asp Ser Ser Gly Tyr Tyr Gly Leu  
100 105 110

Arg His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser  
115 120 125

Ser

<210> 144

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH24

<400> 144

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Ala Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Ser Leu Arg Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser Ala  
100 105 110

Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser  
115 120 125

<210> 145  
 <211> 127  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH25

<400> 145  
 Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Val Gln Pro Gly  
 1 5 10 15  
 Arg Ser Leu Arg Leu Ala Cys Ala Ala Ser Gly Phe Ser Phe Arg Ser  
 20 25 30  
 Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp  
 35 40 45  
 Val Ala Phe Thr Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Val Asp Ser  
 50 55 60  
 Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu  
 65 70 75 80  
 Tyr Leu Glu Met Asn Ser Leu Arg Val Asp Asp Thr Ala Val Tyr Tyr  
 85 90 95  
 Cys Ala Arg Glu Ala Pro Met Leu Arg Gly Ile Ser Arg Tyr Tyr Tyr  
 100 105 110  
 Ala Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

<210> 146  
 <211> 126  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH28, SH50, and SH53

<400> 146  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Gly Val Gln Pro Gly Arg  
 1 5 10 15



Ala Arg Glu Leu Ser Lys Lys Val Ala Leu Ser Arg Tyr Tyr Tyr Tyr  
 100 105 110

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

<210> 148

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH37

<400> 148

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Lys Phe Thr Leu Tyr Asn Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Glu Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Leu Ser Lys Lys Val Ala Leu Ser Arg Tyr Tyr Tyr Tyr  
 100 105 110

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

<210> 149

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH39

<400> 149

Glu Val Gln Leu Leu Glu Gln Ser Gly Gly Gly Val Val Gln Pro Gly  
1 5 10 15

Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser  
20 25 30

Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp  
35 40 45

Val Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Glu Tyr Ala Asp Ser  
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu  
65 70 75 80

Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg Glu Glu Val Val Arg Gly Val Ile Leu Trp Ser Arg Lys  
100 105 110

Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120 125

<210> 150

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH44

<400> 150

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Ala Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Ser Leu Arg Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser Ala  
100 105 110

Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser  
115 120 125

<210> 151

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH47

<400> 151

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Asn Tyr  
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Thr Ser Phe Asp Gly Ser Ile Lys Asp Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Asp Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Arg Gly Met Ile Val Val Val Arg Arg Arg Asn Ala Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser  
115 120 125



<210> 152  
 <211> 126  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH54

<400> 152  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg Asn  
 20 25 30  
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Arg Glu Glu Ala Leu Phe Arg Gly Leu Thr Arg Trp Ser Tyr Gly  
 100 105 110  
 Met Asp Val Trp Gly Gln Gly Thr Thr Val Ser Val Ser Ser  
 115 120 125

<210> 153  
 <211> 126  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH56

<400> 153  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Val Tyr Tyr Asp Gly Ser Asn Lys His Tyr Ser Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Phe Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Arg Asn Phe Arg Ser Gly Tyr Ser Arg Tyr Tyr Tyr Gly  
 100 105 110

Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

<210> 154

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH8

<400> 154

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ala Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Asn Gln Thr Ile Arg Thr Ser Leu  
 20 25 30

Asn Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr  
 35 40 45

Gly Ala Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly Gly  
 50 55 60

Ile Ser Gly Ala Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Tyr Gly Tyr Ser Arg Thr  
 85 90 95

Phe Gly Gln Gly Thr Lys Val Asp Ile Lys Arg

<210> 155  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH12

<400> 155

Ala Glu Leu Thr Gln Ser Pro Phe Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15  
 Arg Val Thr Ile Thr Cys Arg Ala Ser His Asn Ile Tyr Arg Ser Leu  
 20 25 30  
 Asn Trp Phe Gln His Lys Pro Gly Glu Ala Pro Lys Leu Leu Val Tyr  
 35 40 45  
 Ala Ala Ser Ser Leu Gln Arg Gly Val Pro Thr Arg Phe Ser Gly Ser  
 50 55 60  
 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80  
 Asp Ser Ala Thr Tyr Phe Cys Gln Gln Ser Val Thr Phe Pro Tyr Thr  
 85 90 95  
 Phe Gly Gln Gly Thr Lys Leu Glu Ile Arg Arg  
 100 105

<210> 156  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH13

<400> 156

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15  
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Ser Leu Arg Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Tyr Thr  
 85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 100 105

<210> 157

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH14

<400> 157

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Arg Arg Ser Leu  
 20 25 30

Asn Trp Tyr Gln His Lys Pro Gly Arg Ala Pro Arg Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Arg Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Gln Pro Ala  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ser Asn Thr Pro Trp Thr  
 85 90 95

Phe Gly His Gly Thr Lys Val Glu Ile Lys Arg  
 100 105

<210> 158  
<211> 107  
<212> PRT  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) antibody clone SH16

<400> 158  
Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15  
Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30  
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45  
Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60  
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80  
Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Thr  
85 90 95  
Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 159  
<211> 106  
<212> PRT  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) antibody clone SH18

<400> 159  
Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15  
Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ile Ala Leu  
20 25 30  
Asn Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Lys Leu Leu Met Tyr  
35 40 45

Ala Thr Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Tyr Asn Lys Pro Thr Phe  
85 90 95

Gly Pro Gly Thr Lys Val Asp Ile Lys Arg  
100 105

<210> 160

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH20

<400> 160

Ala Glu Leu Thr Gln Ser Pro Phe Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Arg Ser Leu  
20 25 30

Asn Trp Tyr Gln His Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Arg Gly Val Pro Pro Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Phe Cys Gln Gln Ser Val Arg Ile Pro Tyr Ser  
85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
100 105

<210> 161

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH21

<400> 161

Ala Glu Leu Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Ser Tyr Leu  
20 25 30

Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ala Ser Leu Gln Pro Asp  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Leu Asn Asn Tyr Pro Pro Phe  
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg  
100 105

<210> 162

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH24

<400> 162

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Thr Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Thr Leu Gln Arg Gly Val Pro Ser Arg Phe Thr Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Thr Thr Leu Trp Thr  
85 90 95

Phe Gly Gln Gly Thr Lys Met Glu Ile Arg Arg  
100 105

<210> 163

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH26

<400> 163

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Phe Arg Arg Tyr  
85 90 95

Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
100 105

<210> 164

<211> 107

<212> PRT

<213> Homo sapiens

<220>



<223> anti-Rh(D) antibody clone SH28

<400> 164

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Asp Gln Asn Ile Arg Arg Ser Leu  
20 25 30

Asn Trp Phe Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ser Ser Thr Pro Trp Thr  
85 90 95

Phe Gly Arg Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 165

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH30

<400> 165

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Arg Arg Ser Leu  
20 25 30

Asn Trp Tyr Gln Gln Ser Pro Gly Lys Thr Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Leu Thr Phe  
85 90 95

Gly Gly Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 166

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH32

<400> 166

Ala Glu Leu Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr  
1 5 10 15

Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Arg Tyr  
20 25 30

Phe Pro Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Arg Ala Leu  
35 40 45

Ile Tyr Gly Ser Asn Asn Lys His Ser Trp Thr Pro Ala Arg Phe Ser  
50 55 60

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln  
65 70 75 80

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Leu Leu Phe Tyr Ala Gly Ala  
85 90 95

Trp Ala Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 167

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH34

<400> 167

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Gly Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Tyr  
 85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 100 105

<210> 168

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH36

<400> 168

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ser Pro Lys Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Ala  
 85 90 95

Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg  
100 105

<210> 169

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH39

<400> 169

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Gly Arg Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Lys Leu Leu Val Tyr  
35 40 45

Ala Val Ser Ser Leu Gln Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr His Phe Thr Leu Thr Ile Thr Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Phe Cys Gln Gln Ser Tyr Ser Ser Pro Phe Thr  
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 170

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH41

<400> 170

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Arg Arg Ser Leu  
20 25 30

Asn Trp Tyr Gln His Lys Pro Gly Arg Ala Pro Arg Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Arg Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Gln Pro Ala  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ser Asn Thr Pro Trp Thr  
85 90 95

Phe Gly His Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 171

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH44

<400> 171

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Ile Ile Thr Cys Arg Ala Ser Gln Thr Ile Pro Arg Phe Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Val Leu Leu Ile His  
35 40 45

Ser Ile Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Ala Ser  
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Asn Leu Ser Phe  
85 90 95

Gly Pro Gly Thr Thr Val Asp Ile Arg Arg  
100 105

<210> 172  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH46

<400> 172  
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15  
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Tyr Ile Ser Ser Tyr Leu  
 20 25 30  
 Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr  
 35 40 45  
 Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60  
 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80  
 Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Tyr Ser Ser Pro Ser Thr  
 85 90 95  
 Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg  
 100 105

<210> 173  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH47

<400> 173  
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15  
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Tyr Leu  
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Tyr Pro Arg Thr  
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Arg Arg  
 100 105

<210> 174

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH48

<400> 174

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Tyr Ile Ser Ser Tyr Leu  
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr  
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Tyr Ser Ser Pro Ser Thr  
 85 90 95

Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg  
 100 105

<210> 175

<211> 107  
<212> PRT  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) antibody clone SH49

<400> 175  
Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15  
Arg Val Thr Val Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30  
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45  
Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60  
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80  
Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr  
85 90 95  
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 176  
<211> 107  
<212> PRT  
<213> Homo sapiens

<220>  
<223> anti-Rh(D) antibody clone SH50

<400> 176  
Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15  
Arg Val Thr Val Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu  
20 25 30  
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45



Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr  
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 177

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH51

<400> 177

Ala Glu Leu Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Ser Tyr Leu  
20 25 30

Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Leu Asn Asn Tyr Pro Pro Phe  
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg  
100 105

<210> 178

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH52

<400> 178

Ala Glu Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly Glu  
1 5 10 15

Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Ser Ser Tyr  
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile  
35 40 45

Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro  
65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro Trp  
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 179

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH54

<400> 179

Ala Glu Leu Thr Gln Ser Pro Ser Ser Met Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Thr Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr  
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
100 105

<210> 180

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH55

<400> 180

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Lys Tyr  
20 25 30

Val Tyr Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Ser Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Ala  
50 55 60

Phe Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala  
65 70 75 80

Glu Asp Glu Ala Asn Tyr Tyr Cys Gln Ser Tyr Asp Ser Gly Leu Ser  
85 90 95

Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 181

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH56

<400> 181

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Arg Tyr Leu  
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60

Gly Ser Gly Thr Asp Phe Ala Leu Thr Ile Ser Ser Leu Leu Pro Glu  
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Pro Pro Tyr  
85 90 95

Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
100 105

<210> 182

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH10

<400> 182

gagggtgcagc tgctcgagga gtctggggga ggcgtgggtcc agcctgggag gtccctgaga 60  
ctctctctgtg cagcgtcttg gttcaccttc agtaggaatg gcatgcactg ggtccgccag 120  
gtctctggca aggggctgga gtgggtggca tttatatggt ttgatggaag taataaatac 180  
tatgcagact ccgtgaaggc cggattcacc atctccagag acaattccaa gaacacgctg 240  
tatctgcaaa tgaacagcct gagagccgac gacacggctg tgtattactg tgcgagagag 300  
gaggctctgt ttccggggact tactcgggtg tcctacggca tggacgtctg gggccaaggg 360  
accacgggtca gcgtctctc a 381

<210> 183

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH16

<400> 183

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gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cgtctgggtt caccttcagt agctatggca tgcactgggt ccgccaggct 120
ccaggcaggg ggctggagtg ggtggctctt atatggtacg atggaggtaa caaagagtat 180
gcagactccg tgaagggccg cttcagcatc tccagagaca actccaagaa cactctgtat 240
ctgcaagtga acagcctgag agccgacgac acggctgtct attactgtgc gagagaccag 300
agagcagcag cgggtatctt ttattattcc cgtatggacg tctggggcca agggaccacg 360
gtcaccgtct cctca 375
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<210> 184

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH17

<220>

<223> anti-Rh(D) antibody clone SH17

<400> 184

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gaggtgcagc tgctcgagtc tgggggaggc ttggtccagc cggggggggtc cctgagactc 60
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ccagggaagg ggctggagtg ggtggccaac ataaaacaag atggaagtaa gaaaaactat 180
gtggactctg tggagggccg attcaccatc tccagagaca acgcaagaa ctactttat 240
ctgcaaattg acagcctgag agccgaggac acgcgatat attactgtgc gcgagattca 300
cttacttgtt ttgactactg gggccaggga gccctggta cctctctctc a 351
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<210> 185

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH18

<400> 185

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gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cctctggatt caccttcagg agctatgcta tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcagct acagcatatg atggaaaaaa taaatactac 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccatgaa cacgctgttt 240
ctgcaaattg acagcctgag agctgaggac acggctgtgt tttactgtgc gagaggcgga 300
ttttactatg atagtagtgg ttattacggc ttgaggcact actttgactc ctggggccag 360
ggaaccctgg tcaccgtctc ctca 384
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<210> 186

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH20

<400> 186

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gctccaggca aggggctgga gtgggtggcg gttatatcat atgatggaag tactatatac 180
tacgcagact ccgtgaaggg ccgattcacc atctccagag ccaattccaa gaacacgctg 240
tttctgcaaa tgaacagcct cagaactgag gacacggctg tatattactg tacgagaggg 300
gggttttact atgacagtag tggttattac gggttgaggc actactttga ctactggggc 360
caggaaccc tggtcaccgt ctcttca 387
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<210> 187

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH24

<400> 187

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gaggtgcagc tgctcgagtc ggggggaggc gtggcccagc ctgggaggte cctgagactc 60
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cctggcaagg ggctggagtg ggtggcagat atatggtttg atggaagtaa taaagattat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgttgtat 240
cttcaaataa acagcctgag agccgaggac acggctgtgt attattgtgc gagagattgg 300
agggtgcggg ccttttagtag tggctggtta agtgcttttg atatctgggg ccaagggaca 360
atggtcaccg tctcttca 378
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<210> 188

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH25

<400> 188

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gctccaggca ggggctgga gtgggtggca tttacatggt ttgatggaag caataaatat 180
tatgtagact ccgtgaaggg ccgattcacc atctccagag acaattccaa gaacacgctg 240
tatctggaaa tgaacagcct gagagtcgat gacacggctg tatattactg tgcgagagag 300
gcgccctatg ttcgcggaat tagcagatac tactacgcga tggacgtctg gggcccaggg 360
accacgggtc ccgtctctc a 381
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<210> 189  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH28, SH50, and SH53

<400> 189

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ccaggcaagg ggctggagtg ggtggcagct atatggtatg atggaagtaa taaagaatat 180
gcagattttg tgaagggccg cttcaccatc tccagagaca attccaagaa cacgctgtct 240
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aatctcctcc gtggctggtc tcgatactac tacggtatgg acgtctgggg ccaagggacc 360
acggtcaccg tctcctca                                     378
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<210> 190

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH32

<400> 190

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ccaggcaagg ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180
gaagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240
ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaacta 300
tctaagaagg tggcactttc taggtattac tactatatgg acgtctgggg ccagggggacc 360
acggtcactg tctcgtca                                     378
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<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH37

<400> 191

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gctccaggca aggggctgga gtgggtggca catgtctggt atgatggaag taaaacagaa 180
tacgcagact ccgtcaaggg ccgattcgcc gtctccagag acaaatccaa gaacacactg 240
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tttctgcaaa tgaacagcct gacagccgag gacacggcta tttattactg tgcgagagag 300  
 aggagagaga aagtctatat attgttctac tcgtggctcg accgctgggg ccaggggaacc 360  
 ctggtcaccg tctcctca 378

<210> 192  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

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 <223> anti-Rh(D) antibody clone SH39

<400> 192  
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 gctccaggca agggactgga gtgggtggca gttatatggt ttgatggaag taataaggaa 180  
 tatgcagact ccgtgaaggg ccgattcacc atctccagag acaattccaa gaacacgctg 240  
 tatctacaaa tgaacagcct gagagccgag gacacggctg tgtattactg tgcgagagaa 300  
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 ctggtcaccg tctcctca 378

<210> 193  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH44

<400> 193  
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 cctggcaagg ggctggagtg ggtggcagat atatggtttg atggaagtaa taaagattat 180  
 gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgttgtat 240  
 cttcaaata acagcctgag agccgaggat acggctgtgt attattgtgc gagagattgg 300  
 aggggtgcggg ccttttagtag tggctggtta agtgcttttg atatctgggg ccaagggaca 360  
 atggtcaccg tctcttca 378

<210> 194  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> anti-Rh(D) antibody clone SH47

<400> 194  
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ccaggcaagg ggctggagtg ggtggcagtt acatcatttg atggaagcat taaagactac 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactatat 240  
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gggatgatag tcgtgggtccg tcgcagaaat gcttttgata tttggggcca agggacaatg 360  
gtcaccgtct cttca 375

<210> 195

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH54

<400> 195

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cctggcaagg ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180  
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240  
ctgcaaatac acagcctgag agccgacgac acggctgtgt attactgtgc gagagaggag 300  
gctctgtttc ggggacttac tcggtggtcc tacggtatgg acgtctgggg ccaagggacc 360  
acggtcagcg tctcctca 378

<210> 196

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH56

<400> 196

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tcctgtgcag cgtctggatt caccttcagt agctatggca tgcactgggt ccggcaggct 120  
ccaggcaagg ggctggagtg ggtggcagtt gtctactatg atggaagtaa caaacactat 180  
tcagactccg tgaagggccg attcaccatc ttcagagaca actccaagaa cacgctgtat 240  
ctacaaatgg acagcctgag agccgaggac acggctgtgt attactgtgc gagagaaaga 300  
aattttcgga gtggttattc ccgctactac tacggtatgg acgtctgggg cccagggacc 360  
acggtcaccg tctcctca 378

<210> 197

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH8

<400> 197

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acttgccggg caaatcagac catcagaacc tctttaaatt ggtatcaaca aagacctggg 120  
aaagccccta acctcctgat ctatggtgca tccaggttgc atagtggggg cccatcaagg 180  
tttagtggcg gtatttcttg ggcagacttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcagcagact tacggttatt ctggaacgtt cggccaaggg 300  
accaaggtgg atatcaaacg a 321

<210> 198

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH12

<400> 198

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acttgccggg caagtcacaa catttacagg tctttaaatt ggtttcagca taaaccaggg 120  
gaagccccta agctcctggt ctatgctgca tccagtctgc agcgtggggg cccaaccagg 180  
ttcagtggca gtggatcttg gacagatttc actctcacca tcagcagtct tcaacctgaa 240  
gactctgcga cttacttctg tcaacagagt gtcacattcc cctacacttt tggccagggg 300  
accaagctgg agatcagacg a 321

<210> 199

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH13

<400> 199

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120  
aaagccccta agctcctgat ctatgctgca tccagtttgc gaagtggggg cccatcaagg 180  
ttcagtggca gtggatcttg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagtaccc cctacacttt tggccagggg 300  
accaagctgg agatcaaacg a 321

<210> 200

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH14

<400> 200

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acttgccggg caagtcagaa cattaggagg tctttaaatt ggtatcaaca caaaccaggg 120  
agagccccta gactcctgat ctatgctgca tccactttgc aaagtggggg cccatcaagg 180  
ttcaggggca gtggatctgg gacagatttc actctcacca tcaacagtct gcaacctgca 240  
gattttgcaa cttactactg tcagcagagt tccaataccc cgtggacgtt cggccatggg 300  
accaaggtgg aaatcaaacg a 321

<210> 201

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH16

<400> 201

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcaaca gaaaccaggg 120  
aaagccccta agtcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtgga gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagtaccc ctccaacttt cggcggaggg 300  
accaaggtgg agatcaaacg a 321

<210> 202

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH18

<400> 202

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acttgccggg caagtcagag tattagcatc gctttaaatt ggtatcagca gagaccaggg 120  
aaagccccta agtcctgat gtatgctaca tccactttgc aaagtggggg cccatcaagg 180  
ttcagtgga gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacaatat tacaataaac ctactttcgg ccctgggacc 300  
aaggtggata tcaaacga 318

<210> 203

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH20

<400> 203

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acttgccggg caagtcagag cattagcagg tcttttaaatt ggtatcaaca taaaccaggg 120  
gaagccccta agctcctgat ctatgctgca tccagtctgc agcgtgggggt cccaccaggg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gactttgcga cttacttctg tcaacagagt gtcagaatcc cgtacagttt tggccagggg 300  
accaagctgg agatcaaacg a 321

<210> 204

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH21

<400> 204

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acttgccggg ccagtcaggg cattaggagt tatttagcct ggtatcagca aaaaccaggg 120  
aaagccccta agctccta atctatgctgca tccactttgc aaagtgggggt cccatcaagg 180  
ttcagcggca gtggatctgg gacagaattc actctcacia tcgccagcct gcagcctgat 240  
gattttgcaa cttattactg tcaacagctt aataattacc cccctttcac tttcgccctt 300  
gggaccaaag tggatatcaa acga 324

<210> 205

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH24

<400> 205

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acttgccggg caagtcagag cattagcacc tatttaaatt ggtatcagca gagaccaggg 120  
aaagccccta acctcctgat ctatgctgca tccactttgc aaaggggggt cccatcaagg 180  
ttcactggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacactacc tgtggacgtt cggccaaggg 300  
accaagatgg aaatcagacg a 321

<210> 206

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH26

<400> 206

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120  
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtgcca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagtttcc gaaggtacag ttttggccag 300  
gggaccaagc tggagatcaa acga 324

<210> 207

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH28

<400> 207

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acttgccggg cagatcagaa cattaggagg tctttaaatt ggtttcagca gaaaccaggg 120  
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtgcca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tccagtaccc cgtggacgtt cggccgaggg 300  
accaaggtgg aaatcaaacg a 321

<210> 208

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH30

<400> 208

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acttgccggg caagtcagag cattcggagg tctttaaatt ggtatcagca gaggccaggg 120  
aaaacccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtgcca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagtaccc tcactttcgg cggagggacc 300  
aaggtggaga tcaaacga 318

<210> 209

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH32

<400> 209

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tgtgtctcca gcactggagc agtcaccagt cgttactttc caaactgggt ccagcagaaa 120  
cctggccagg caccagggc actgatttat ggttcaaaca acaaactc ctggaccctt 180  
gccccgttct caggctccct ccttgggggc aaagctgccc tgacactgtc aggtgtgcag 240  
cctgaggacg aggcggagta ttactgcctg ctcttctatg ctggtgcttg ggcgttcggc 300  
ggagggacca agctgaccgt ccta 324

<210> 210

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH34

<400> 210

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120  
aaagccccta agctcctgat ctatgctgca tccggtttgc aaagtggggg cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagtaccc ccccgtagac ttttggccag 300  
gggaccaagc tggagatcaa acga 324

<210> 211

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH36

<400> 211

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120  
aaatccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagtaccc ctccggtttt cggccctggg 300  
accaaagtgg atatcaaacg a 321

<210> 212

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH39

<400> 212

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acttgccggg caagtcagac cattgggagg tatttaaatt ggtatcagca gaggccaggg 120  
aaagcccca aactcctggt atatgctgtg tccagtttgc aaagtggggc cccatcaagg 180  
ttcagtggca gtggctctgg gacacatttc actctcacca tcaccagtct gcaacctgaa 240  
gattttgcaa cttacttctg ccaacagagt tacagttctc ctttcacttt tggccagggg 300  
accaaggttg agatcaaacg a 321

<210> 213

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH41

<400> 213

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acttgccggg caagtcagaa cattaggagg tctttaaatt ggtatcaaca caaaccaggg 120  
agagcccta gactcctgat ctatgctgca tccactttgc aaagtggggg cccatcaagg 180  
ttcaggggca gtggatctgg gacagatttc actctcacca tcaacagtct gcaacctgca 240  
gattttgcaa cttactactg tcagcagagt tccaataccc cgtggacgtt cggccatggg 300  
accaaggttg aaatcaaacg a 321

<210> 214

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH44

<400> 214

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acttgccggg caagtcagac cattcccagg ttcttgaatt ggtatcaaca gaagcctgga 120  
aaagccctg ttctcctgat tcatagtata tccagtttac aaagtggggg cccatcaagg 180  
ttcagtgccca gtggatctgg gacagagttc actctcacca tcagcagtct gcaacctgaa 240  
gatttcgcaa cttactactg ccaacagagt tacagtaatc tctctttcgg ccctggggacc 300  
acagtggata ttagacga 318

<210> 215

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH46

<400> 215

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acttgccggg caagtcagta cattagcagc tattttaaatt ggtatcagca gaaaccaggg 120  
aaagccccta atctcctgat ctatgctgca tccagtttgc aaagtgggggt cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagact tacagttccc ctagcacttt cggccctggg 300  
accaaagtgg atatcaaacg a 321

<210> 216

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH47

<400> 216

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acttgccggg caagtcagag cattagcaac tattttaaatt ggtatcagca gaaaccagga 120  
aaagccccta acctcctgat ctatgctgca tccagtttgc aaagtgggggt cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagttatc ctcgcacgtt cggccaaggg 300  
accaaggtgg agatcagacg a 321

<210> 217

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH48

<400> 217

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acttgccggg caagtcagta cattagcagc tattttaaatt ggtatcagca gaaaccaggg 120  
aaagccccta atctcctgat ctatgctgca tccagtttgc aaagtgggggt cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagact tacagttccc ctagcacttt cggccctggg 300  
accaaagtgg atatcaaacg a 321

<210> 218

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH49



<400> 218

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aaagccccta agtcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180  
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240  
gattttgcaa cttactactg tcaacagagt tacagtaccc cgtggacgtt cggccaaggg 300  
accaaggtgg aaatcaaacy a 321

<210> 219

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH50

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115